

Abstract:

A system for removing H_2S from methane (CH_4) which includes providing at least one biofilter cartridge that functions to sustain microbial activity which will function to consume H_2S contained in a stream of methane gas. A stream of methane gas which contains H_2S is transported directly into a biofilter system which contains at least one cartridge containing selected microorganisms which function to biodegrade H_2S . Following treatment the methane gas is recirculated to a storage reservoir or a source of use.